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HTLV III VIRUS ISOLATION STUDIES

ANNUAL REPORT

by

Gordon R. Dreesman

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19. ABSTRACT (Continue on reverse if necessary and identify by block number) <p>→ Virus isolation studies have been performed on 329 blood specimens obtained from Air Force personnel positive for antibody for HIV. Peripheral blood lymphocytes (PBL) from each individual were co-cultured with normal human PHA stimulated PBL. Cultures yielding positive viral reverse transcriptase (RT) activity were scored as positive for HIV. The overall isolation rate for this 12 month study has been 52% (172/329). Patients classified as WRI and WRII yielded a positive virus isolation rate of 51% whereas the collective group with WR classifications of III-VI were 66% positive. Only one positive virus isolation was observed in testing of 40 spinal fluids. Correlation of positive virus isolation with clinical and immunologic parameters is currently being analyzed.</p>					
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Progress Report

During the past year we have cultured peripheral blood lymphocytes (PBL) from Air Force personnel who have confirmed positive antibody for HIV. We have also tested a limited number of cerebrospinal fluids for presence of infectious virus.

The PBL were processed by Ficoll-Hypaque centrifugation and co-cultured with normal PHA stimulated human lymphocytes for a 3 week period. Media from these cultures were collected at 2 to 3 day intervals starting on day 5 and tested for the presence of viral reverse transcriptase (RT) activity. All cultures which had an increase of threefold greater than control cultures for RT activity were scored positive. Those yielding two- to threefold greater RT activity than uninfected controls were rated at \pm and the supernatants were recultured for virus activity.

We have completed the testing of 329 blood specimens (Table 1). The overall isolation rate to date has been 172/329 positive (52%) for the 12 month period the contract has been in effect.

Table 2 lists isolation results in relation to the Walter Reed status of the tested individuals. Class 1 and 2 specimens still predominate and the isolation remains around 50% in both groups. The numbers of Class 3 through 6 are beginning to increase, but still remain relatively low. Although the significance of the findings in these groups is questionable due to the small numbers, the overall isolation rate for these later four groups is greater than that found in the earlier stages (66%).

The new laboratory that is committed to the performance of this contract is now completed and has been occupied. The computer terminal, which was installed during the last quarter, is now in use to transfer specimen testing results to patient files at Wilford Hall USAF Medical Center. It has also allowed us to check the Walter Reed classification of patients not previously reported.

During the next year we will analyze the individuals with positive cultures to see if there are any clinical or immunologic parameters which might serve as an indicator of virus expression in asymptomatic patients. The installation of the computer terminal will greatly facilitate this analysis.

Only one of 40 spinal fluids has yielded a positive virus culture in a limited study this past year. We are currently testing freshly collected cerebrospinal fluids to determine the validity of the negative results obtained from earlier specimens which have been stored frozen for some time prior to testing. Previously, the spinal fluids were received frozen. In our current test protocol we are attempting to isolate virus by two methods: 1) we are co-cultivating cells isolated from fresh spinal fluid with PHA stimulated normal human PBL and 2) 1 ml of clarified fresh fluid will be used to resuspend 0.5×10^6 CEM A3.01 target cells containing a final concentration of 10 ng/ml polybrene.

TABLE 1
HIV ISOLATION FROM LYMPHOCYTES

RT RESULTS																	
PATIENT#	DATE OF COLLECTION	DAY 5 CPM	DAY 7 CPM	DAY 10 CPM	DAY 12 CPM	DAY 15 CPM	DAY 18 CPM	DAY 21 CPM	POS/ NEG	WR STATUS							
WH2/1		2931	3108	3159	2908	2712	3381	NT	POS								
WH3/1		3894	8284	4457	4417	4767	8407	5917	POS								
WH4/1		5816	8172	5532	NT	7863	NT	NT	POS								
WH6/1		235	306	677	340	382	269	332	NEG								
WH23/1		651	1.2*	914	1.6	5204	9.2	2528	4.5	1227	2.2	1711	3.0	1605	2.8	POS	
WH24/1		416	0.7	536	1.0	927	1.6	648	1.1	845	1.5	765	1.4	NT		NEG	
WH26/1		472	0.8	703	1.2	603	1.1	1110	2.0	1147	2.0	1319	2.3	1603	2.8	NEG	
WH28/1		556	1.0	654	1.2	711	1.3	642	1.1	561	1.0	826	1.5	NT		NEG	
WH30/1		353	0.5	454	0.6	608	0.8	588	0.8	868	1.2	645	0.9	630	0.9	NEG	
WH32/1		975	1.3	933	1.3	401	0.5	1668	2.3	1721	2.3	1992	2.7	2851	3.9	POS	
WH33/1		782	1.1	NT		NT		718	1.0	421	0.6	368	0.5	552	0.7	NEG	
WH43/1		273		295		290		364		319		408		377		NEG	
BAMC34/1		2073	1.6	1362	1.0	1533	1.2	3382	2.6	4440	3.4	3432	2.6	4952	3.7	POS	
BAMC35/1		1310	1.0	1113	0.8	1153	0.9	1302	1.0	1558	1.2	942	0.7	1189	0.9	NEG	
WH/B		563	1.0	659	1.2	1034	1.8	1764	3.1	1065	1.9	1375	2.4	442	0.8	POS	
WH/M		709	1.3	688	1.2	1030	1.8	1774	3.1	2194	3.9	1164	2.0	613	1.1	POS	
2	01/15/87	1122	1.2	1142	1.2	1978	2.1	5597	5.9	5075	5.3	5373	5.6	2796	2.9	POS	3A
2/2	06/6/86	844	0.4	1252	0.6	873	0.4	1011	0.5	1038	0.5	1663	0.8	1617	0.8	NEG	
3/2	06/06/86?	1006	0.5	1512	0.7	995	0.5	1075	0.5	1286	0.6	1559	0.8	1541	0.8	NEG	
15	03/26/87	700	0.9	741	0.9	2404	2.9	5046	6.2	6209	6.4	4358	5.3	3857	4.7	POS	2B
37	5/21/87	569	0.7	576	0.7	1102	1.3	1446	1.8	4951	6.0	7602	9.3	4429	5.4	POS	5B
39	08/13/87	2160	4.3	1487	3.0	1246	2.5	1173	2.3	1428	2.8	1017	2.0	1764	3.5	POS	2A1TP
42	11/26/86	643	0.7	748	0.8	971	1.0	1106	1.1	848	0.9	1329	1.4	1324	1.4	NEG	1A
51	12/18/86	1177	1.2	1093	1.1	978	1.0	910	0.9	1632	1.7	1626	1.7	1485	1.5	NEG	2A
54	07/30/87	1065	1.5	1643	2.3	12349	17.9	7783	11.1	13927	19.9	6428	9.2	4220	6.0	POS	3A
55	12/04/86	723	1.0	611	0.8	362	0.5	559	0.8	493	0.7	611	0.8	511	0.7	NEG	3A
66	10/23/86	982	0.5	1267	0.6	803	0.4	1384	0.7	887	0.4	1262	0.6	1901	0.9	NEG(NEG)	2A
66	11/13/86	884	0.8	1313	1.1	1047	0.9	1022	0.9	855	0.7	943	0.8	1149	1.1	NEG	2A
69	02/19/87	408	0.7	434	0.7	507	0.8	4510	7.6	2859	4.8	8354	14.1	3534	5.9	POS	1A
74	02/19/87	427	0.7	2206	3.7	11761	19.8	4408	7.4	9599	16.2	9824	16.5	2603	4.4	POS	3A
75	05/14/87	390	0.6	383	0.6	204	0.3	348	0.6	363	0.6	526	0.9	874	1.4	NEG	1A
76	08/20/87	539	1.1	545	1.1	619	1.2	750	1.5	854	1.7	985	2.0	657	1.2	NEG	5A
80	02/19/87	317	0.5	379	0.6	925	1.6	707	1.2	1531	2.6	1032	1.8	679	1.1	NEG	1A
81	08/27/87	824	1.1	589	0.8	568	0.8	1012	1.4	1534	2.1	1631	2.2	1459	2.0	+/- POS	6B
83	05/28/87	178	0.6	221	0.7	431	1.3	1027	3.2	4363	13.6	4841	15.0	5563	17.0	POS	1A
90	07/16/87	787	1.0	644	0.8	1059	1.3	2062	2.6	3266	4.1	4537	5.7	3798	4.8	POS	2A
95	05/14/87	269	0.4	347	0.6	240	0.4	348	0.6	615	1.0	1118	1.8	1993	3.3	POS	1A
96	08/20/87	542	1.1	518	1.0	530	1.1	472	0.9	532	1.1	401	0.8	420	0.8	NEG	1A
99	05/21/87	649	0.8	767	0.9	1298	1.6	3442	4.2	4757	5.8	5686	6.9	4877	5.9	POS	1A
100	05/21/87	566	0.7	597	0.7	404	0.5	687	0.8	2982	3.6	7713	9.4	5904	7.2	POS	2A
102	07/16/87	711	0.9	841	1.1	8483	10.7	4661	5.9	679	0.9	1959	2.5	1626	2.0	POS	5A
112	07/09/87	1185	1.1	981	0.9	950	0.9	1145	1.0	1062	1.0	1355	1.2	1761	1.6	NEG	1A

113	08/27/87	761	1.0	605	0.8	776	1.1	713	1.0	668	0.9	705	1.0	798	1.1	NEG	3A
121	07/30/87	1001	1.4	972	1.4	1348	1.9	2190	3.1	3218	4.6	2887	4.1	2583	3.7	POS	2A
123	08/13/87	1426	2.8	1173	2.3	908	1.8	1875	3.7	1263	2.5	1734	3.4	1424	2.8	POS	3A
124	06/11/87	357	0.5	405	0.6	1292	2.0	1954	3.0	4185	6.3	7334	11.1	6132	9.3	POS	3A
125	04/30/87	595	0.7	886	1.0	3945	4.6	25601	30.0	36958	43.0	24607	24.0	7454	8.7	POS	1A
129	08/20/87	472	0.9	495	1.0	499	1.0	501	1.0	434	0.9	490	1.0	428	0.9	NEG	2A
130	07/30/87	866	1.2	785	1.1	1033	1.5	1910	2.7	2445	3.5	1723	2.5	1324	1.9	POS	2A
132	07/30/87	962	1.4	1039	1.5	838	1.2	934	1.3	997	1.4	1031	1.5	1227	1.8	NEG	1A
145	08/20/87	442	0.9	550	1.1	553	1.1	450	0.9	492	1.0	481	1.0	490	1.0	NEG	1A
175	11/13/86	716	0.6	850	0.7	880	0.8	840	0.7	754	0.7	1078	0.9	1141	1.0	NEG	2A
180	10/23/86	1827	0.9	1886	0.9	1477	0.7	1794	0.9	1249	0.6	1634	0.8	1895	0.9	NEG(NEG)	2A
181	10/23/86	1168	0.6	1401	0.7	988	0.5	1329	0.7	1031	0.5	1347	0.7	1429	0.7	NEG(NEG)	2A
182	10/23/86	815	0.4	1204	0.6	842	0.4	805	0.4	883	0.4	1831	0.9	1568	0.8	NEG(POS)	1A
183	10/23/86	1044	0.5	1043	0.5	1008	0.5	1043	0.5	925	0.5	1644	0.8	3128	1.5	NEG(POS)	1A
184	10/30/86	640	0.6	325	0.3	439	0.4	465	0.4	113	0.1	104	0.1	804	0.8	NEG(NEG)	
185	10/30/86	471	0.4	527	0.5	423	0.4	452	0.4	270	0.3	504	0.5	755	0.7	NEG(NEG)	1A
186	10/30/86	612	0.6	591	0.6	520	0.5	672	0.6	344	0.3	1140	1.1	694	0.7	NEG(NEG)	2A
187	10/30/86	518	0.5	735	0.7	127	0.1	520	0.5	540	0.5	432	0.4	561	0.5	NEG(POS)	2A
187	11/13/86	672	0.6	882	0.8	772	0.7	776	0.7	856	0.7	902	0.8	967	0.8	NEG	2A
188	10/30/86	523	0.5	346	0.3	424	0.4	393	0.4	440	0.4	550	0.5	552	0.5	NEG	5B
189	10/30/86	555	0.5	608	0.6	470	0.4	366	0.3	397	0.4	366	0.3	813	0.8	NEG(POS)	1A
190	10/30/86	660	0.6	525	0.5	720	0.7	672	0.6	416	0.4	470	0.4	920	0.9	NEG(POS)	3A
190	11/13/86	883	0.8	1105	1.0	684	0.6	1028	0.9	890	0.8	1919	1.7	6026	5.2	POS	3A
191	10/30/86	420	0.4	671	0.6	169	0.2	514	0.5	357	0.3	149	0.1	800	0.8	NEG(POS)	2A
191	11/13/86	900	0.8	912	0.8	742	0.6	802	0.7	740	0.6	868	0.8	1011	0.9	NEG	1A
192	10/30/86	485	0.5	532	0.5	134	0.1	437	0.4	517	0.5	155	0.2	767	0.7	NEG(FDS)	1A
193	10/30/86	368	0.4	518	0.5	131	0.1	660	0.6	504	0.5	160	0.2	828	0.8	NEG(POS)	2A
194	10/30/86	155	0.2	620	0.6	968	0.9	455	0.4	309	0.3	429	0.4	581	0.5	NEG	2A
195	11/06/86	1597	1.7	2379	2.5	2351	2.5	2011	2.1	2305	2.4	1397	1.5	1469	1.5	NEG	1A
196	11/06/86	900	1.0	2408	2.5	4860	5.1	4752	5.0	5450	5.7	1956	2.0	1120	1.2	POS	1A
197	11/06/86	1058	1.1	2737	2.9	2849	3.0	2438	2.6	3558	3.7	1195	1.3	1030	1.1	POS	1A
198	11/06/86	885	0.9	1541	1.6	3069	3.2	2185	2.3	2938	3.1	1392	1.5	1369	1.4	POS	1A
199	11/06/86	981	1.0	1108	1.2	6921	7.3	5699	6.0	4396	4.6	3780	4.0	1927	2.0	POS	5A
200	11/06/86	803	0.8	872	0.9	1267	1.3	1316	1.4	833	0.8	1239	1.3	1086	1.1	NEG	2A
201	11/06/86	896	0.9	1453	1.5	5137	5.4	3971	4.2	5496	5.8	2507	2.6	1928	2.0	POS	1A
202	11/06/86	874	0.9	920	1.0	895	0.9	2555	2.7	530	0.6	3828	4.0	2438	2.6	POS	1A
202	08/06/87	1295	2.6	1792	3.6	2117	4.2	1342	2.7	1591	3.2	1743	3.5	1412	2.8	POS	1A
203	11/06/86	1049	1.1	1093	1.2	835	0.9	953	1.0	628	0.7	1059	1.1	858	0.9	NEG	1A
204	11/13/86	750	0.6	1073	0.9	684	0.6	886	0.8	843	0.7	845	0.7	1089	0.9	NEG	1A
205	11/13/86	816	0.7	913	0.8	706	0.6	770	0.7	566	0.5	984	0.9	1391	1.2	NEG	3A
206	11/13/86	864	0.7	846	0.7	615	0.5	694	0.6	660	0.6	655	0.6	815	0.7	NEG	1A
207	11/13/86	745	0.6	951	0.8	913	0.8	771	0.7	1025	0.9	679	0.6	977	0.8	NEG	1A
208	11/20/86	577	1.1	598	1.1	466	0.9	586	1.1	483	0.9	531	1.0	478	0.9	NEG	1A
209	11/20/86	454	0.9	389	0.7	358	0.7	457	0.9	447	0.8	513	1.0	513	1.0	NEG	1A
210	11/20/86	444	0.8	446	0.8	330	0.6	597	1.1	370	0.7	402	0.8	359	0.7	NEG	1A
211	11/20/86	289	0.5	473	0.9	369	0.7	537	1.0	544	1.0	2464	4.6	6255	11.8	POS	2A
212	11/20/86	541	1.0	501	0.9	310	0.6	360	0.7	296	0.6	403	0.8	525	1.0	NEG	1A
213	11/20/86	433	0.8	428	0.8	304	0.6	398	0.7	215	0.4	348	0.7	469	0.9	NEG	1A
214	11/20/86	406	0.8	580	1.1	499	0.9	458	0.9	328	0.6	513	1.0	410	0.8	NEG	1A
215	11/26/86	650	0.7	851	0.9	1410	1.4	6553	6.7	6174	6.3	3540	3.6	3587	3.7	POS	1A
216	11/20/86	536	1.0	627	1.2	386	0.7	427	0.8	355	0.7	602	1.1	477	0.9	NEG	1A
217	11/20/86	555	1.0	597	1.1	442	0.8	633	1.2	443	0.8	623	1.2	405	0.8	NEG	1A

217	11/25/86	728	0.7	855	0.9	1154	1.2	1010	1.0	957	1.0	1059	1.1	1029	1.1	NEG	1A
218	11/26/86	582	0.6	569	0.6	927	0.9	691	0.7	772	0.8	705	0.7	1152	1.2	NEG	3A
219	11/26/86	582	0.6	630	0.6	793	0.8	858	0.9	745	0.8	1013	1.0	1282	1.3	NEG	1A
220	11/26/86	622	0.6	700	0.7	1032	1.1	2365	2.4	2654	2.7	2194	2.2	2147	2.2	NEG	2A
221	11/26/86	410	0.4	495	0.5	839	0.9	760	0.8	820	0.8	1475	1.5	2071	2.1	NEG	1A
222	11/26/86	495	0.5	871	0.9	2081	2.1	14588	14.9	10650	10.9	7095	7.2	5810	5.9	POS	2A
223	11/26/86	531	0.5	608	0.6	1146	1.2	4551	4.6	3939	4.0	2472	2.5	2210	2.3	POS	1A
224	11/26/86	619	0.6	692	0.7	969	1.0	954	1.0	981	1.0	1293	1.3	1792	1.8	NEG	1A
225	11/26/86	685	0.7	752	0.8	1949	2.0	4767	4.9	3040	3.1	3188	3.3	2940	3.0	POS	4A
227	12/04/86	1020	1.4	3827	5.1	4711	6.3	2480	3.3	1609	2.2	1472	1.9	981	1.3	POS	1A
228	12/04/86	542	0.7	436	0.6	337	0.5	865	1.1	1760	2.4	4042	5.4	3646	4.9	POS	2A
230	12/04/86	617	0.8	482	0.6	508	0.7	1396	1.9	4173	5.6	3001	4.0	1455	2.0	POS	1A
232	12/04/86	1139	0.7	975	0.6	991	0.6	1271	0.8	1040	0.7	1234	0.8	1230	0.8	NEG	1A
233	12/04/86	320	0.4	469	0.6	400	0.5	34456	4.6	12968	17.4	11370	15.3	3933	5.3	POS	5A
234	12/04/86	406	0.5	582	0.8	349	0.5	402	0.5	300	0.4	643	0.9	377	0.5	NEG	1A
235	12/04/86	491	0.7	448	0.6	371	0.5	435	0.6	726	1.0	706	0.9	630	0.8	NEG	1A
243	12/11/86	1044	0.9	1167	1.0	1626	1.4	3249	2.8	3419	2.9	3004	2.6	1529	1.3	+/-POS	1A
244	12/11/86	972	0.6	1147	0.8	1470	0.9	5343	3.5	8873	7.6	5823	5.0	3957	3.4	POS	1A
245	12/11/86	1085	0.7	1099	0.7	1082	0.7	1025	0.7	1054	0.7	927	0.6	1071	0.7	NEG	1A
246	12/11/86	1013	0.7	982	0.6	1331	0.8	1281	0.8	1281	0.8	1640	1.0	1322	0.9	NEG	1A
248	12/11/86	909	0.6	1010	0.7	1322	0.9	1140	0.7	1711	1.1	6000	3.9	3528	2.3	POS	1A
249	12/11/86	1444	0.9	1165	0.8	1112	0.7	3285	2.1	4066	2.6	3223	2.1	2209	1.4	+/-POS	6B
250	12/11/86	905	0.6	980	0.6	1387	0.9	1013	0.7	1140	0.8	1070	0.7	1109	0.7	NEG	1A
251	12/11/86	875	0.6	983	0.3	875	0.6	1015	0.7	1096	0.7	1252	0.8	1072	0.7	NEG	1A
252	12/18/86	969	1.0	1722	1.8	9266	9.5	5938	6.1	7339	7.5	7430	7.6	897	0.9	POS	1A
255	12/18/86	939	1.0	756	0.8	652	0.7	896	0.9	1581	1.6	3720	3.8	3537	3.6	POS	1A
256	12/18/86	1018	1.0	780	0.8	972	1.0	1938	2.0	4270	4.4	4425	4.6	2760	2.8	POS	1A
257	12/18/86	893	0.9	897	0.9	770	0.8	995	1.0	1605	1.7	2170	2.2	1838	1.9	POS	1A
258	12/18/86	1154	1.2	993	1.0	743	0.8	730	0.8	1348	1.4	2360	3.4	1925	2.0	POS	1A
259	12/18/86	1182	1.2	873	0.9	744	0.8	876	0.9	891	0.9	815	0.8	1007	1.0	NEG	1A
260	12/18/86	1051	1.1	1037	1.0	518	0.5	810	0.8	986	1.0	2400	2.5	2430	2.5	+/-POS	1A
261	12/18/86	1158	1.2	1106	1.1	636	0.7	879	0.9	1125	1.2	1950	2.0	1427	1.5	NEG	2A
262	12/18/86	1001	1.0	916	0.9	1011	1.0	1929	2.0	3831	3.9	2773	2.9	2114	2.2	POS	
263	12/23/86	783	0.9	692	0.8	787	0.9	1010	1.2	1217	1.4	1177	1.4	1546	1.8	NEG	1A
264	12/23/86	787	0.9	748	0.9	695	0.8	818	1.0	667	0.8	874	1.0	806	1.0	NEG	1A
264	BABY 12/23/86	893	1.0	961	1.0	884	1.0	949	1.1	966	1.1	848	1.0	1129	1.3	NEG	
265	12/23/86	969	1.1	921	1.1	1141	1.3	4372	5.2	1371	1.6	2160	2.6	1342	1.6	POS	1A
266	12/23/86	855	1.0	677	0.7	1040	1.2	2564	3.0	2346	2.8	3762	4.4	5164	6.1	POS	2A
267	12/23/86	678	0.8	618	0.7	759	0.9	748	0.9	649	0.8	837	1.0	932	1.1	NEG	1A
268	12/23/87	760	0.9	702	0.8	734	0.9	952	1.1	767	0.9	813	1.1	947	1.1	NEG	1A
269	12/23/86	781	0.9	641	0.8	707	0.8	981	1.2	776	0.9	976	1.2	1080	1.3	NEG	1A
270	12/23/86	648	0.8	795	0.9	818	1.0	1499	1.8	2888	3.4	4013	4.7	4971	5.9	POS	1A
271	12/23/86	773	0.9	645	0.8	706	0.9	785	0.9	893	1.1	1343	1.6	2378	2.8	+/-POS	1A
272	12/23/86	924	1.1	651	0.8	807	1.0	754	0.9	759	0.9	953	1.1	1107	1.3	NEG	1A
273	12/30/86	188	0.8	243	1.0	185	0.8	179	0.8	197	0.9	246	1.1	220	1.0	NEG	1A
274	12/30/86	180	0.8	200	0.8	182	0.8	198	0.9	159	0.7	161	0.7	222	1.0	NEG	1A
275	12/30/86	215	1.0	243	1.1	192	0.9	208	0.9	125	0.6	211	0.9	241	1.1	NEG	1A
276	01/08/87	1062	1.1	1049	1.1	2234	2.3	1100	1.1	974	1.0	887	0.9	1136	1.2	+/-POS	1A
277	01/08/87	1140	1.2	964	1.0	1012	1.1	1096	1.1	1221	1.3	2074	2.2	2790	2.9	+/-POS	1A
278	01/08/87	951	0.9	1073	1.1	816	0.8	977	1.0	1222	1.3	1446	1.5	1943	2.0	+/-POS	1A
279	01/08/87	1193	1.2	959	0.9	1059	1.1	1235	1.3	2145	2.2	3353	3.5	2690	2.8	POS	1A
280	01/08/87	894	1.1	672	0.8	4092	5.0	7313	8.9	10140	12.4	8042	9.8	4843	5.9	POS	1A

281	01/08/87	1180	1.2	932	0.9	796	0.8	734	0.8	903	0.9	889	0.9	903	0.9	NEG	1A
283	12/18/86	1212	1.2	938	1.0	867	0.9	575	0.6	1095	1.1	747	0.7	998	1.0	NEG	1A
284	12/18/86	1247	1.3	1013	1.0	714	0.7	617	0.6	757	0.8	826	0.8	960	1.0	NEG	1A
285	12/18/86	1595	1.6	974	1.0	773	0.8	874	0.9	1080	1.1	1276	1.3	1183	1.2	NEG	2A
287	01/15/87	1267	1.3	755	0.8	1422	1.5	1060	1.1	1262	1.3	1585	1.7	1428	1.5	NEG	1A
288	01/15/87	1019	1.1	1224	1.3	1086	1.1	1123	1.2	1193	0.3	1518	1.6	1998	2.1	+/-POS	2A
289	01/15/87	1009	1.1	916	0.9	2110	2.2	3886	4.1	9704	10.2	6986	7.3	4253	4.5	POS	1A
290	01/15/87	1028	1.1	1053	1.1	1351	1.4	1530	1.6	1425	1.5	1972	2.1	2181	2.3	+/-POS	1A
293	01/22/87	789	0.9	828	1.0	3152	3.9	7834	9.6	15685	19.0	11196	14.0	7649	9.4	POS	1A
295	01/22/87	952	1.2	1235	1.5	6527	8.0	5661	6.9	7323	8.9	5591	6.8	3298	4.0	POS	1A
296	01/22/87	787	0.9	737	0.9	4105	5.0	7853	9.6	15375	18.8	13394	16.0	8996	10.9	POS	1A
297	01/22/87	810	0.9	1009	1.2	12449	15.2	13404	16.4	8433	10.3	9562	11.6	9898	12.1	POS	1A
298	01/22/87	940	1.1	548	0.7	692	0.8	532	0.7	803	1.0	782	1.0	872	1.1	NEG	1A
299	01/29/87	4592	4.0	3604	3.2	7804	6.8	13052	11.4	9402	8.2	19015	16.7	1188	1.0	POS	1A
300	01/29/87	7229	6.3	910	0.8	8759	7.7	12398	10.9	8831	7.7	3935	3.5	1053	0.9	POS	1A
301	01/29/87	5200	4.6	1409	1.2	9877	8.7	11833	10.3	7393	6.5	1565	1.4	1215	1.1	POS	1A
302	02/05/87	1077	1.0	1151	1.1	1211	1.1	1892	1.8	10004	9.5	10219	9.7	4339	4.1	POS	1A
303	02/05/87	1087	1.0	1202	1.1	2790	2.6	7311	7.5	9389	8.9	8985	8.5	4269	4.0	POS	1A
304	02/05/87	1011	1.0	971	0.9	1315	1.2	2573	2.4	5298	5.0	5726	5.4	3362	3.2	POS	5A
306	02/05/87	1097	1.0	1253	1.2	923	0.9	1080	1.0	4843	4.6	14908	14.1	9047	8.6	POS	1A
307	02/05/87	1153	1.1	2445	2.3	12328	11.7	15704	14.8	9525	9.0	6602	6.2	3320	3.1	POS	1A
308	02/05/87	1245	1.2	910	0.9	6333	6.0	8539	8.1	7103	6.7	8255	7.8	8079	7.6	POS	1A
309	02/05/87	995	0.9	1118	1.1	844	0.8	1124	1.1	1091	1.0	1170	1.1	1183	1.1	NEG	1A
310	02/05/87	1021	1.0	2664	2.5	20957	19.8	13156	12.4	8701	8.2	6527	6.2	5013	4.7	POS	3A
311	02/12/87	619	0.9	710	1.0	929	1.3	2833	3.9	7956	11.1	5717	7.9	2816	4.0	POS	1A
312	02/12/87	812	1.1	617	0.9	2425	3.4	3401	4.7	7083	9.9	5174	7.2	4345	6.0	POS	1A
313	02/12/87	628	0.9	657	0.9	2477	3.4	9855	13.7	7144	9.9	10394	14.5	6243	8.7	POS	1A
314	02/12/87	660	0.9	640	0.9	534	0.7	744	1.0	661	0.9	686	1.0	810	1.1	NEG	1A
316	02/12/87	503	0.7	597	0.8	552	0.8	654	0.9	740	1.0	740	1.0	830	1.2	NEG	1A
317	02/12/87	572	0.8	752	1.0	771	1.1	2645	3.7	6943	9.7	4955	7.0	3206	4.5	POS	2A
318	02/12/87	682	0.9	646	0.9	509	0.7	692	1.0	971	1.3	946	1.3	813	1.1	NEG	1A
319	02/19/87	430	0.7	412	0.7	483	0.8	542	0.9	669	1.1	692	1.2	628	1.1	NEG	1A
320	02/19/87	425	0.7	452	0.8	351	0.6	6054	10.2	1286	2.2	4964	8.4	2794	4.7	POS	1A
322	02/19/88	350	0.6	452	0.8	2002	3.4	5650	3.5	7112	12.0	9678	16.3	2733	4.6	POS	1A
323	02/19/88	334	0.6	380	0.6	320	0.5	947	1.6	558	0.9	723	1.2	2072	3.5	POS	1A
324	02/19/88	385	0.7	450	88.0	1007	1.7	5916	9.9	2897	4.9	8080	13.6	2350	4.0	POS	1A
325	02/19/87	238	0.4	333	0.6	312	0.5	481	0.8	539	0.9	660	1.1	550	0.9	NEG	1A
326	02/26/87	545	1.1	383	0.8	443	0.9	361	0.7	470	0.9	482	1.0	511	1.0	NEG	1A
327	02/19/87	342	0.6	453	0.8	913	1.5	1604	2.7	1642	2.8	2769	4.7	2632	6.0	POS	1A
328	02/19/87	282	0.5	438	0.7	394	0.7	495	0.8	489	0.8	653	1.1	626	1.1	NEG	1A
329	02/26/87	553	1.1	389	0.8	414	0.8	534	1.1	1523	3.1	1247	2.5	1125	2.3	POS	1A
330	02/19/87	326	0.5	956	1.6	18107	30.5	7148	12.0	12551	21.1	11580	19.5	4260	7.2	POS	1A
331	02/26/87	464	0.9	360	0.7	748	1.5	1350	2.7	2084	4.2	1627	3.3	977	2.0	POS	2A
333	02/26/87	529	1.1	413	0.8	3130	6.3	4360	8.8	4743	9.5	2450	4.9	1111	2.2	POS	1A
334	02/26/87	487	1.0	349	0.7	513	1.1	863	1.7	1739	3.5	1227	2.5	665	1.3	POS	1A
323 B	02/26/87	471	0.9	434	0.9	324	0.7	441	0.9	1657	3.3	3365	6.8	3006	6.0	POS	
336	03/19/87	482	0.6	2669	3.4	8938	11.0	7104	9.0	2788	3.6	2200	2.9	2302	3.0	POS	1A
337	03/05/87	548	0.9	518	0.8	557	0.9	578	0.9	760	1.2	476	0.8	607	1.0	NEG	2A
338	03/05/87	484	0.8	605	1.0	619	1.0	555	0.9	502	0.8	1235	2.0	3276	5.4	POS	1A
339	03/05/87	625	1.0	628	1.0	621	1.0	544	0.9	549	0.9	609	1.0	1444	2.4	+/-POS	1A
341	03/05/87	538	0.9	535	0.9	701	1.1	690	1.1	470	0.8	511	0.8	672	1.1	NEG	1A
342	03/05/87	531	0.9	594	1.0	736	1.2	591	1.0	499	0.8	497	0.8	968	1.6	NEG	1A

343	03/05/87	664	1.1	567	0.9	651	1.1	1050	1.7	1503	2.5	1978	3.2	2540	4.1	POS	1A
344	03/19/87	459	0.6	395	0.5	507	0.7	423	0.6	384	0.5	546	0.7	606	0.8	NEG	2A
345	03/12/87	518	1.0	522	1.0	1281	2.4	4027	7.7	6247	11.9	6703	12.8	3346	6.4	POS	1A
346	03/12/87	516	1.0	479	0.9	903	1.7	1927	3.7	2944	5.6	2319	4.4	1590	3.0	POS	1A
347	03/12/87	504	1.0	528	1.0	379	0.7	463	0.9	470	0.9	436	0.8	511	1.0	NEG	2A
348	03/12/87	441	0.8	487	0.9	2120	4.1	1752	3.3	1940	3.7	1945	3.7	1322	2.5	POS	1A
350	03/12/87	355	0.7	477	0.9	366	0.7	489	0.9	523	1.0	575	1.1	581	1.1	NEG	1A
351	03/12/87	364	0.7	466	0.9	456	0.9	1656	3.1	3146	6.0	3481	6.7	2883	5.5	POS	2A
352	03/12/87	474	0.9	451	0.9	493	0.9	1011	1.9	2667	5.1	2009	3.8	1422	2.7	POS	1A
354	03/12/87	508	1.0	394	0.8	338	0.6	427	0.8	375	0.7	587	1.1	417	0.8	NEG	2A
355	03/12/87	393	0.8	418	0.8	291	0.6	445	0.9	1029	2.0	4015	7.7	4608	8.8	POS	2A
356	03/12/87	400	0.8	622	1.2	377	0.7	5845	11.2	4716	9.0	4672	8.9	5557	10.6	POS	1A
357	03/19/87	435	0.6	377	0.5	509	0.7	663	0.9	2042	2.7	2044	2.7	3437	4.4	POS	2A
358	03/26/87	743	0.9	722	0.9	828	1.0	1040	1.3	5639	6.9	4717	5.8	4110	5.0	POS	
359	03/19/87	474	0.6	434	0.6	1758	2.3	2518	3.2	2367	3.2	1462	1.9	2424	3.2	POS	2A
360	03/19/87	410	0.5	422	0.5	533	0.6	975	1.2	3801	4.9	3180	4.0	3044	4.0	POS	1A
361	03/26/87	773	0.9	761	0.9	2076	2.5	4970	6.1	6996	8.5	5328	6.5	3831	4.7	POS	
362	03/19/87	408	0.5	560	0.7	1921	2.5	1453	1.9	1721	2.2	1190	1.5	1188	1.5	+/-POS	2A
363	03/26/87	689	0.8	775	0.9	766	0.9	771	0.9	732	0.9	854	1.0	891	1.1	NEG	2A
367	03/26/87	604	0.7	762	0.9	594	0.7	1575	1.9	5791	7.1	3728	4.5	3084	3.7	POS	1A
368	03/26/87	869	1.1	692	0.8	656	0.8	798	1.0	764	0.9	777	0.9	873	1.1	NEG	1A
369	03/26/87	274	1.0	282	1.0	229	0.8	346	1.3	883	3.2	813	2.9	726	2.6	POS	1A
370	03/26/87	767	0.9	682	0.8	1619	0.2	4293	5.2	4804	5.8	5324	6.5	2111	2.6	POS	1A
371	03/26/87	712	0.9	653	0.8	592	0.7	931	1.1	2129	2.6	4087	5.0	3950	4.8	POS	2A
372	03/26/87	805	1.0	669	0.8	624	0.8	649	0.8	781	1.0	1016	1.2	1106	1.4	NEG	2A
373	03/26/87	820	1.0	645	0.8	527	0.6	696	0.9	773	0.9	928	1.1	1088	1.3	NEG	1A
374	03/26/87	542	0.7	624	0.8	2758	3.3	3860	4.7	4744	5.8	4754	5.8	3344	4.1	POS	1A
375	03/26/87	237	0.9	352	1.3	387	1.4	387	1.1	277	1.0	289	1.1	286	1.1	NEG	1A
378	04/09/87	672	1.0	1182	1.7	6394	9.6	8693	13.0	7120	10.7	4625	6.9	2521	3.7	POS	1A
379	04/09/87	1008	1.5	1031	1.5	1307	1.9	3416	5.1	10560	15.8	9940	14.9	5553	8.3	POS	1A
380	04/09/87	592	1.0	1036	1.5	5176	7.8	5235	7.8	6580	9.8	4015	6.0	2760	4.1	POS	2A
381	04/09/87	1068	1.6	1113	1.6	846	1.3	1128	1.7	10839	16.0	11174	16.7	5518	8.3	POS	2A
382	04/09/87	1058	1.6	2894	4.3	4525	6.4	6060	9.1	4114	6.2	2767	4.1	2495	3.7	POS	1A
384	04/09/87	1122	1.7	1336	2.0	821	1.2	891	1.3	642	1.2	1092	1.6	727	1.1	NEG	1A
385	04/09/87	662	1.0	797	1.2	687	1.0	778	1.0	1238	1.8	1957	2.9	1438	2.0	+/-POS	1A
386	04/16/87	919	1.1	821	1.0	593	0.7	740	0.9	855	1.0	877	1.1	1231	1.5	NEG	1A
388	04/16/87	565	0.7	972	1.2	1079	1.3	1311	1.6	7553	9.0	12737	15.0	7042	8.4	POS	1A
389	04/16/87	491	0.6	847	1.0	518	0.6	582	0.7	842	1.0	818	1.0	1021	1.8	NEG	1A
392	04/16/87	462	0.6	640	0.8	4514	5.4	5096	6.1	6674	8.0	3488	4.0	2911	3.5	POS	1A
393	04/16/87	766	0.9	740	0.9	586	0.7	744	0.9	789	0.9	870	1.0	1994	1.2	NEG	1A
395	04/16/87	649	0.8	940	1.1	452	0.5	691	0.8	819	1.0	860	1.0	1347	1.6	NEG	1A
397	04/23/87	418	0.6	452	0.6	593	0.8	2831	3.7	7124	9.4	13240	17.5	8229	10.9	POS	1A
399	04/23/87	373	0.5	465	0.6	617	0.8	1043	1.4	3130	4.1	7117	9.4	5217	6.9	POS	1A
401	04/23/87	343	0.5	190	0.3	330	0.4	297	0.4	450	0.6	373	0.5	895	1.2	NEG	1A
403	04/23/87	612	0.8	395	0.5	440	0.6	417	0.6	461	0.6	705	0.9	1896	2.5	+/-POS	1A
405	04/30/87	455	0.5	1226	1.4	8944	10.0	8163	9.6	8907	10.4	5691	6.6	3708	4.3	POS	1A
406	04/30/87	572	0.7	760	0.9	1242	1.5	3002	3.5	8666	10.0	8888	10.4	10691	12.5	POS	1A
407	04/30/87	677	0.8	875	1.0	878	1.0	817	1.0	915	1.0	1169	1.4	2480	2.9	+/-POS	1A
408	05/07/87	413	0.6	622	0.9	397	0.6	466	0.7	633	0.9	655	1.0	981	0.5	NEG	1A
409	04/30/87	584	0.9	508	0.8	586	0.9	886	1.3	2183	3.2	3340	4.9	6456	9.6	POS	1A
410	05/14/87	237	0.4	439	0.7	845	1.4	2520	4.0	3136	5.0	4630	7.6	3155	5.0	POS	2A
411	05/07/87	541	0.8	630	0.9	569	0.9	666	1.0	542	0.8	892	1.3	795	1.2	NEG	1A

412	05/07/87	520	0.8	680	1.0	674	1.0	1495	2.2	3210	4.8	5539	8.2	1956	2.9	POS	1A
413	05/07/87	703	1.0	630	0.9	590	0.9	697	1.0	551	0.8	706	1.0	779	1.1	NEG	2A
414	05/07/87	706	1.0	881	1.3	516	0.8	624	0.9	610	0.9	978	1.5	1334	2.0	NEG	1A
415	05/07/87	592	0.9	817	1.2	527	0.8	759	1.1	714	1.1	748	1.1	831	1.2	NEG	1A
416	05/07/87	468	0.7	453	0.7	460	0.7	387	0.6	590	0.9	776	1.1	817	1.2	NEG	1A
417	05/14/87	218	0.4	308	0.5	798	1.3	2547	4.0	4032	6.6	3835	6.3	3323	5.4	POS	6
418	05/07/87	443	0.7	561	0.8	696	1.0	468	0.7	716	1.1	839	1.2	770	1.1	NEG	1A
419	05/14/87	223	0.4	263	0.4	230	0.4	287	0.5	405	0.7	572	0.9	669	1.1	NEG	1A
420	05/14/87	254	0.4	238	0.4	311	0.5	554	0.9	1728	2.8	1927	3.2	1606	2.5	POS	1A
421	05/14/87	239	0.4	201	0.3	214	0.4	289	0.5	706	1.2	4309	7.0	2984	4.9	POS	1A
423	05/21/87	358	0.4	475	0.6	386	0.5	952	1.2	3699	4.5	6579	8.0	3664	4.5	POS	1A
424	05/21/87	379	0.4	508	0.6	307	0.4	521	0.6	711	0.9	663	0.8	847	1.0	NEG	1A
425	05/21/87	442	0.5	577	0.7	417	0.5	902	1.1	1676	2.0	7328	8.9	7172	8.7	POS	1A
427	05/28/87	156	0.5	272	0.9	1443	4.5	290	0.9	2929	9.0	6278	19.6	6252	19.5	POS	1A
428	05/28/87	178	0.6	171	0.6	182	0.6	252	0.8	1030	3.2	3889	12.0	2180	6.8	POS	1A
429	06/04/87	464	0.9	411	0.8	284	0.5	310	0.6	371	0.7	437	0.8	537	1.0	NEG	2A
430	05/28/87	223	0.7	159	0.5	217	0.7	193	0.6	223	0.7	220	0.7	279	0.9	NEG	1A
431	05/28/87	191	0.6	396	1.2	2097	6.5	3636	11.3	4695	14.6	2960	9.2	1547	4.8	POS	1A
432	05/28/87	124	0.4	172	0.5	489	1.5	2830	8.8	6106	19.0	4132	12.9	2578	8.0	POS	1A
435	06/04/87	256	0.5	341	0.6	242	0.4	381	0.7	349	0.6	571	1.0	557	1.0	NEG	2A
436	06/04/87	505	0.9	380	0.7	286	0.5	334	0.6	1479	2.7	2166	4.0	2407	4.4	POS	1A
437	06/04/87	506	0.9	425	0.8	318	0.6	477	0.9	473	0.9	434	0.8	458	0.8	NEG	1A
438	06/04/87	333	0.6	410	0.8	1161	2.1	2776	5.1	9180	16.8	8530	15.6	4291	7.8	POS	2A
503	06/11/87	411	0.6	347	0.5	2329	3.5	2801	4.3	5650	8.6	5830	8.8	4262	6.5	POS	3B
504	06/11/87	272	0.4	300	0.5	203	0.3	311	0.5	482	0.7	498	0.8	667	1.0	NEG	2A
505	06/18/87	361	0.5	474	0.7	1232	1.8	3551	5.2	16035	23.0	12006	17.7	4038	6.0	POS	6
506	06/11/87	370	0.6	297	0.4	271	0.4	411	0.6	1009	1.5	5336	8.1	3600	5.5	POS	1A
507	06/18/87	252	0.4	392	0.6	382	0.6	1050	1.6	4661	6.9	5740	8.5	7848	11.6	POS	1A
509	06/18/87	319	0.5	322	0.5	356	0.5	384	0.6	897	1.3	3564	5.3	2780	4.1	POS	1A
510	06/18/87	343	0.5	345	0.5	373	0.6	469	0.7	1163	1.7	6374	9.4	5108	7.5	POS	1A
511	06/18/87	338	0.5	480	0.7	4019	5.9	8976	13.2	7571	11.0	9967	14.7	5716	8.4	POS	3A
512	06/18/87	275	0.9	308	0.5	391	0.6	417	0.6	529	0.8	600	0.9	758	1.1	NEG	1A
513	06/18/87	335	0.5	359	0.5	405	0.6	493	0.7	534	0.8	550	0.8	806	1.2	NEG	1A
514	06/18/87	387	0.6	403	0.6	395	0.6	384	0.6	518	0.8	530	0.8	660	1.0	NEG	1A
516	06/25/87	368	0.4	334	0.4	507	0.5	452	0.5	740	0.8	1917	2.0	1019	1.1	NEG	1A
517	06/25/87	456	0.5	502	0.5	513	0.5	1582	1.6	2524	2.6	2987	3.1	1722	1.9	POS	1A
518	06/25/87	353	0.4	549	0.6	358	0.4	382	0.4	1176	1.2	3036	3.1	1181	1.2	POS	1A
520	06/25/87	499	0.5	420	0.4	806	0.8	3199	3.3	5426	5.6	4149	4.3	1573	1.6	POS	1A
528	07/09/87	1173	1.1	981	0.9	950	0.9	1145	1.0	1062	1.0	1355	1.2	1761	1.6	NEG	5A
529	07/02/87	360	0.4	377	0.4	505	0.6	1169	1.3	6324	7.1	8812	9.9	5077	5.7	POS	4A
530	07/02/87	323	0.4	287	0.3	452	0.5	976	1.1	2594	2.9	7504	8.4	4985	5.6	POS	1A
531	07/09/87	1125	1.0	1040	0.9	916	0.8	ND		1008	0.9	1099	1.0	1080	1.0	NEG	1A
532	07/09/87	1166	1.0	994	0.9	2212	2.0	1022	0.9	1047	1.0	1842	1.7	2846	2.6	+/- POS	1A
533	07/02/87	278	0.3	297	0.3	317	0.4	1877	2.1	11820	13.2	20217	22.6	9876	11.0	POS	3A
4705	07/02/87	361	0.4	338	0.4	269	0.3	248	0.3	517	0.6	816	0.9	692	0.8	NEG	
535	07/09/87	1199	1.1	1241	1.1	1419	1.3	4723	4.3	16433	15.0	18200	16.6	12940	11.8	POS	1A
536	07/09/87	673	1.2	833	1.5	819	1.5	900	1.6	1985	3.5	8524	15.1	8143	14.4	POS	1A
542	07/16/87	632	0.8	504	0.6	2685	3.4	4031	5.1	5847	7.4	4889	6.2	1906	2.4	POS	1A
543	07/16/87	690	0.9	703	0.9	767	1.0	620	0.8	915	1.1	2388	3.0	1792	2.3	POS	1A
544	07/16/87	696	0.9	661	0.8	3462	4.4	4993	6.3	5618	7.1	10011	12.6	3991	5.0	POS	3A
545	07/16/87	768	1.0	631	0.8	548	0.7	1126	1.4	5347	6.7	7856	9.9	6464	8.1	POS	1A
546	07/16/87	687	0.9	705	0.9	1976	2.5	3191	4.0	4925	6.2	5699	7.2	2534	3.2	POS	1A

547	07/23/87	707	0.9	711	0.9	586	0.7	749	0.9	1235	1.5	2191	2.7	1367	1.7	+/-POS	1A
549	07/23/87	607	0.9	624	0.8	667	0.8	600	0.7	492	0.7	605	0.7	635	0.8	NEG	1A
550	07/23/87	589	0.9	722	0.9	553	0.7	485	0.6	529	0.7	549	0.7	585	0.7	NEG	1A
551	07/23/87	695	0.9	845	1.0	6873	8.5	7097	8.8	6045	7.5	2745	3.4	1543	1.9	POS	1ACHL
552	07/23/87	727	0.9	723	0.9	734	0.9	603	0.7	839	1.0	8309	10.3	4527	5.6	POS	1A
RH	07/23/87	633	0.8	757	0.9	751	0.9	707	0.9	659	0.8	595	0.7	679	0.8	NEG	
KW	07/23/87	743	0.9	655	0.8	555	0.7	576	0.7	625	0.8	679	0.8	499	0.6	NEG	
553	07/30/87	883	1.3	863	1.2	1008	1.4	1718	2.5	3608	5.2	5263	7.5	4963	7.1	POS	1A
555	07/30/87	610	0.9	931	1.3	876	1.3	880	1.3	1497	1.7	2199	3.1	3886	5.5	POS	1A
556	07/30/87	862	1.2	844	1.2	1354	1.9	1841	2.6	4395	6.3	16316	23.3	9372	13.3	POS	1A
557	07/30/87	550	0.8	757	1.1	757	1.1	1110	1.6	1437	2.0	5783	8.2	2668	3.8	POS	1A
558	07/30/87	770	1.1	768	1.1	1305	1.9	1005	1.4	2609	3.7	7998	11.4	660	0.9	POS	1A
559	07/30/87	767	1.1	845	1.2	870	1.2	832	1.2	646	0.9	656	0.9	613	0.9	NEG	1A
562	08/06/87	2090	4.2	1357	2.7	1382	2.8	1785	3.6	1419	2.8	2119	4.2	ND		POS	1A
564	08/06/87	1926	3.8	1378	2.8	1112	2.2	1401	2.8	1393	2.8	1843	3.6	ND		POS	1A
566	08/06/87	1487	2.9	1679	3.3	1012	2.0	1697	3.4	1331	2.7	1454	2.9	ND		POS	1A
569	08/27/87	793	1.1	701	1.0	700	1.0	701	1.0	511	0.7	742	1.0	765	1.0	NEG	6B
570	08/13/87	1422	2.8	1650	3.2	1455	2.9	1311	2.6	1665	3.3	1096	2.2	1228	2.4	POS	1A
571	08/13/87	2305	4.6	1642	3.3	1313	2.6	1219	2.4	1218	2.4	1248	2.5	2429	4.8	POS	4AK
572	08/27/87	821	1.1	727	1.0	662	0.9	883	1.2	704	1.0	735	1.0	662	0.9	NEG	1A
573	08/20/87	551	1.1	494	1.0	456	0.9	481	1.0	496	1.0	448	0.9	640	1.3	NEG	1A
575	08/20/87	641	1.3	478	0.9	466	0.9	569	1.1	448	0.9	689	1.4	1093	2.2	+/-POS	1A
576	08/20/87	599	1.2	442	0.9	543	1.1	588	1.2	595	1.2	444	0.9	495	1.0	NEG	1A
577	08/20/87	427	0.9	503	1.0	618	1.2	499	1.0	491	1.0	477	1.0	446	0.9	NEG	1A
580	08/20/87	937	1.9	836	1.7	767	1.5	880	1.7	833	1.7	772	1.5	646	1.3	NEG	1A
581	08/20/87	970	1.9	733	1.5	692	1.4	880	1.8	844	1.7	923	1.8	1079	2.1	+/-POS	1A
582	08/20/87	1025	2.0	722	1.4	836	1.7	849	1.7	1137	2.2	587	1.2	821	1.6	NEG	1A

* = AVG CPM/BACKGROUND CPM; >3.0 = POS CULTURE; >2.0 = +/-POS

TABLE 2

HIV ISOLATION FROM LYMPHOCYTES BY WALTER REED CLASSIFICATION

Walter Reed Classification	Positive	Negative
1	112 (52%)	103 (48%)
2	24 (44%)	31 (56%)
3-6	21 (66%)	11 (33%)
Total	157 (52%)	145 (48%)

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